

Fig. 1

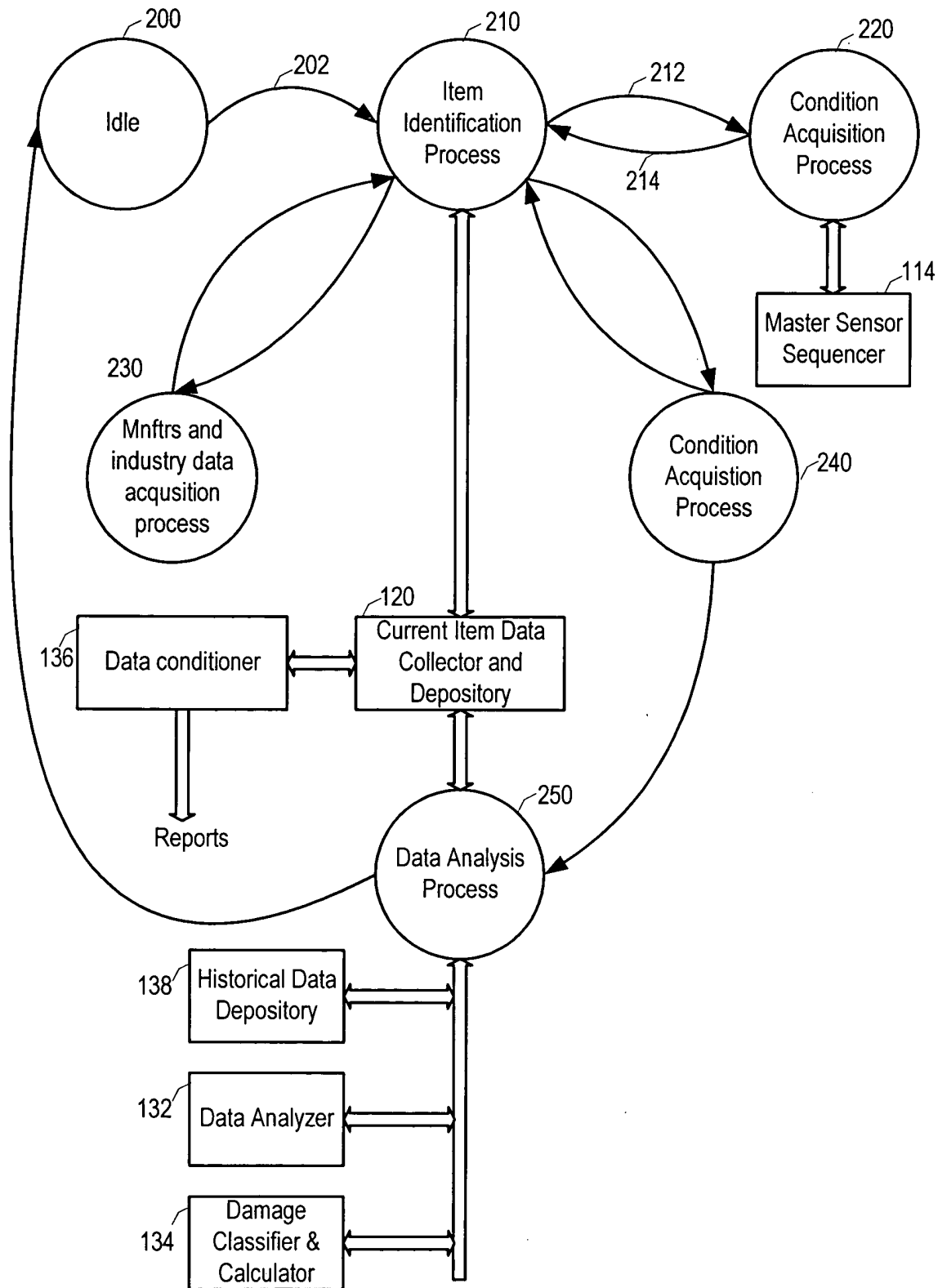


Fig. 2

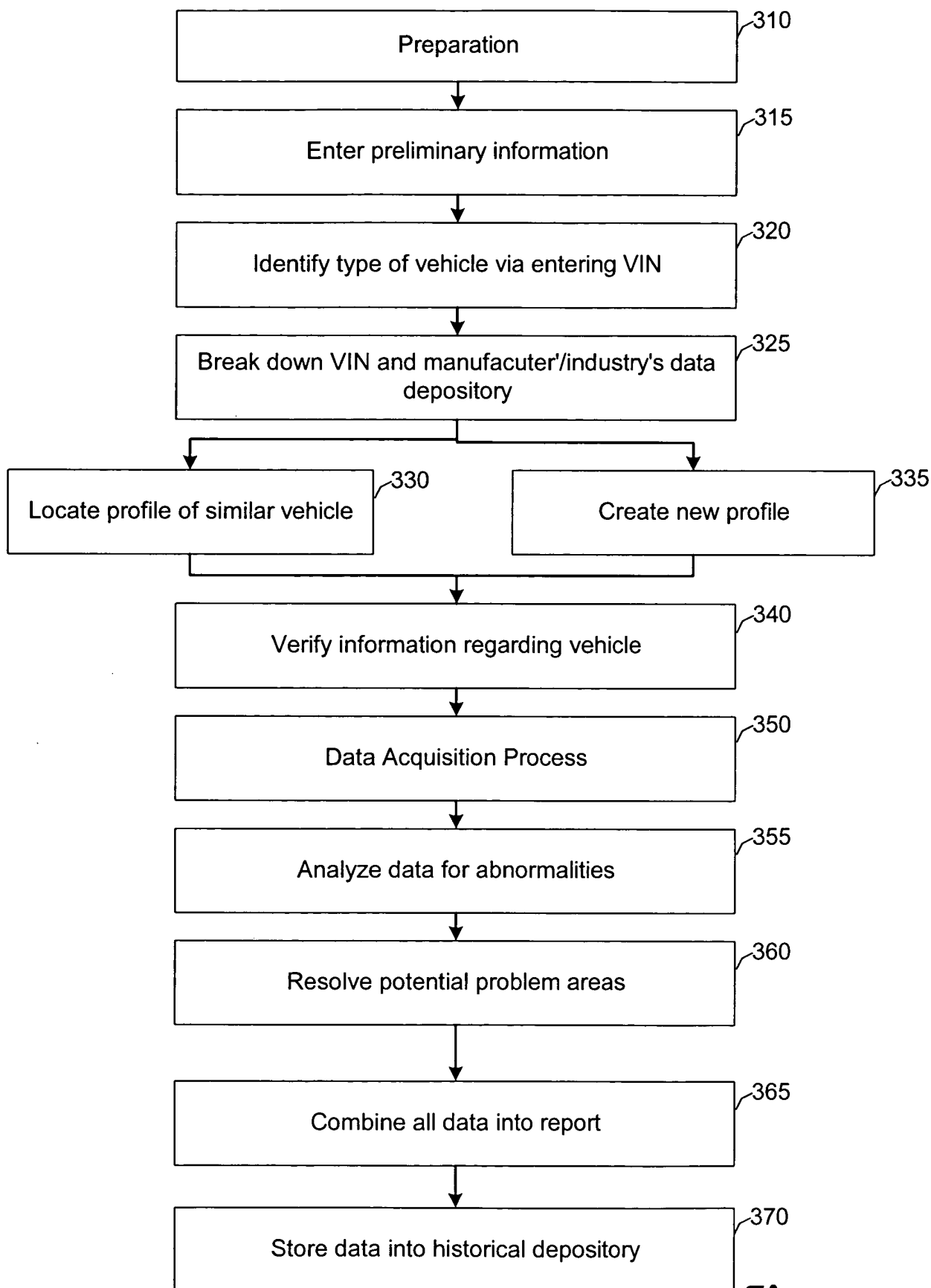


Fig. 3

Scenario #1 - Automotive Item Description

| | | | |
|---|--|--|-----------------------------------|
| SELECT ITEM CATEGORY | | <input type="text" value="AUTOMOTIVE"/> | |
| ENTER VIN NUMBER | | <input type="text" value="12345678901234567"/> | <input type="button" value="GO"/> |
| ERROR MESSAGE if VIN INCORRECT (flashing) | | | |

| | | |
|---|---|---|
| Make: <input type="text" value="FORD"/> | Model: <input type="text" value="PASSPOR"/> | Year: <input type="text" value="2001"/> |
| Doors: <input type="text" value="5"/> | EXT Color: <input type="text" value="BLACK"/> | Trim: <input type="text" value="LX"/> |

| | | | |
|--|--|---|--|
| Body Type <input checked="" type="radio"/> CP <input type="radio"/> SU <input type="radio"/> SN <input type="radio"/> WG <input type="radio"/> HB <input type="radio"/> VN | Engine <input checked="" type="radio"/> 8 CYL <input checked="" type="checkbox"/> Nat Gas <input type="radio"/> 6 CYL <input type="checkbox"/> Elect <input type="radio"/> 4 CYL <input type="checkbox"/> NA | Drive <input type="checkbox"/> 2WD <input checked="" type="checkbox"/> 4WD | <input checked="" type="checkbox"/> Power Steering <input checked="" type="checkbox"/> Power Brakes |
|--|--|---|--|

| | | |
|---|--|--|
| Mats <input checked="" type="checkbox"/> Cloth <input checked="" type="checkbox"/> Vinyl | Seat Type <input type="radio"/> Bucket <input checked="" type="radio"/> Captains <input type="radio"/> Bench | Seat Material <input type="radio"/> Leather <input checked="" type="radio"/> Cloth <input type="radio"/> Vinyl |
|---|--|--|

| | | |
|---|---|--|
| VIN Serial Number: <input type="text"/> | Transmission <input type="radio"/> 6 SPD <input type="checkbox"/> Auto <input type="radio"/> 5 SPD <input type="checkbox"/> 4X4 <input type="radio"/> 4 SPD | Interior Type <input type="checkbox"/> Cloth <input type="checkbox"/> Leather <input type="checkbox"/> Hld Seats |
|---|---|--|

| | | |
|--|---|---|
| Radio <input type="checkbox"/> AM/FM <input type="checkbox"/> INOP <input type="checkbox"/> Missing <input type="checkbox"/> W/CD <input checked="" type="checkbox"/> Stereo <input type="checkbox"/> Tape <input type="checkbox"/> Brand <input type="checkbox"/> CD Chg <input type="checkbox"/> CD Car <input type="checkbox"/> Code <input type="checkbox"/> Speakers | Fuel <input type="radio"/> Full <input type="radio"/> 3/4 <input type="radio"/> 1/2 <input type="radio"/> 1/4 <input type="radio"/> Empty | Odometer Info <input type="checkbox"/> 6 Digit Odometer <input type="checkbox"/> Odometer Broken <input type="checkbox"/> TMV <input type="checkbox"/> NAM Mileage: <input type="text" value="0"/> |
|--|---|---|

| | | | |
|--|--|--|--|
| <input type="checkbox"/> Power Windows <input type="checkbox"/> Power Seats <input type="checkbox"/> Power Locks <input type="checkbox"/> Sunroof <input type="checkbox"/> Moonroof <input type="checkbox"/> Targa <input type="checkbox"/> Conv | <input type="checkbox"/> AC <input type="checkbox"/> Inop <input type="checkbox"/> Warm <input type="checkbox"/> Spoiler <input type="checkbox"/> Cust Wheel <input type="checkbox"/> Drv Lights <input type="checkbox"/> Gold Pkg <input type="checkbox"/> Bra <input type="checkbox"/> AirDefl | <input type="checkbox"/> Cruise <input type="checkbox"/> TCS <input type="checkbox"/> Rear Defog <input type="checkbox"/> ABS <input type="checkbox"/> SRS <input type="checkbox"/> Phone <input type="checkbox"/> Factory <input type="checkbox"/> Books <input type="checkbox"/> Records | <input type="checkbox"/> TowPkg <input type="checkbox"/> Run Board <input type="checkbox"/> Side Steps <input type="checkbox"/> GrillGuard <input type="checkbox"/> Lug Rack <input type="checkbox"/> Alarm <input type="checkbox"/> Keyless Alarm |
|--|--|--|--|

Fig. 4A

Scenario #2 - Heavy Equipment Description

| | | |
|---|--|------------|
| SELECT ITEM CATEGORY | HEAVY EQUIPMENT | |
| ENTER SERIAL NUMBER | 123456789012 | GO |
| ERROR MESSAGE if S/N INCORRECT (flashing) | | |
| MAKE | CATERPILLAR | MODEL 924G |
| CHECK ALL FEATURES/OPTIONS THAT APPLY | | |
| <input type="checkbox"/> 3056 ENGINE | <input type="checkbox"/> FENDERS, STANDARD | |
| <input type="checkbox"/> CAB, with AIR CONDITIONER | <input type="checkbox"/> DOORS, CAB, SLIDING GLASS | |
| <input type="checkbox"/> DIFFERENTIAL, LIMITED SLIP, FRNT | <input type="checkbox"/> PRECLEANER, DUST BOWL | |
| <input type="checkbox"/> LINES, FRONT | <input type="checkbox"/> INSTRUCTIONS, ENGLISH | |
| <input type="checkbox"/> TIRES, 20.5-R25 XTLA*L2 | <input type="checkbox"/> GUARD, POWERTRAIN | |
| <input type="checkbox"/> SUN VISOR, FRONT | <input type="checkbox"/> HEATER, ENGINE COOLANT, 120V | |
| <input type="checkbox"/> BUCKET, 2.6 CYD (HO) | <input type="checkbox"/> CUTTING EDGE, BOLT ON (4 PIECE) | |
| <input type="checkbox"/> AM/FM CASSETTE RADIO | <input type="checkbox"/> EROPS | |
| <input type="checkbox"/> LINKAGE, STANDARD | <input type="checkbox"/> ALTERNATOR, HIGH OUTPUT, 70AMP | |
| <input type="checkbox"/> SEAT, CONTOUR/AIR SUSPENSION | <input type="checkbox"/> TRANSMISSION, STANDARD | |
| <input type="checkbox"/> DIFFERENTIAL, LIMITED SLIP, REAR | <input type="checkbox"/> HYDRAULICS, 3 VALVE, 2 LEVER, FNR | |
| <input type="checkbox"/> OIL COOLER, HYDRAULIC | <input type="checkbox"/> LIGHTS, AUX, FRONT | |
| <input type="checkbox"/> GUARD, CRANKCASE | <input type="checkbox"/> INSTALLATION GROUP, RADIO 12V | |
| <input type="checkbox"/> SUN SCREEN, REAR | <input type="checkbox"/> COUNTERWEIGHT, EXTRA | |
| <input type="checkbox"/> COUPLER | <input type="checkbox"/> RIDE CONTROL | |
| <input type="checkbox"/> AIR CONDITIONER | <input type="checkbox"/> 3RD VALVE | |
| <input type="checkbox"/> ADD A FEATURE OR OPTION NOT LISTED ABOVE | | |

Fig. 4B

Scenario #3 - Antique






| | | | | |
|-----------------------------------|---|---|-------------------------------------|--|
| SELECT ITEM CATEGORY | ANTIQUE |  | | |
| SELECT PERIOD/STYLE | EARLY AMERICAN |  | <input checked="" type="checkbox"/> | Check box to left and enter new PERIOD/STYLE for antiques |
| SELECT TYPE | TEA SET |  | <input type="checkbox"/> | Check box to left and enter new TYPE for antiques |
| SELECT PRIMARY COMPONENT | Silver Plate over Pewter |  | <input type="checkbox"/> | Check box to left and enter new PRIMARY COMPONENT for antiques |
| ENTER MANUFACTURER/ ARTISAN | Paul Revere | | | |
| ENTER DATE(s) | c. 1775 | | | |
| | <div>ENTER DESCRIPTORS</div> <div></div> | | | |

Fig. 4C

Sample New Item Test Selection Screen

List below the desired sensors to analyze for all future items of this type.

| <u>Sequence</u> | <u>Sensor Test Type</u> |
|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> Acoustical |
| <input type="checkbox"/> | <input type="checkbox"/> Electrical |
| <input type="checkbox"/> | <input type="checkbox"/> Electromagnetic fields |
| <input type="checkbox"/> | <input type="checkbox"/> Emissions |
| <input type="checkbox"/> | <input type="checkbox"/> Engine compression |
| <input type="checkbox"/> | <input type="checkbox"/> Fluid levels |
| <input type="checkbox"/> | <input type="checkbox"/> Image |
| <input type="checkbox"/> | <input type="checkbox"/> Impedance |
| <input type="checkbox"/> | <input type="checkbox"/> Infrared |
| <input type="checkbox"/> | <input type="checkbox"/> Internal systems self diagnosis |
| <input type="checkbox"/> | <input type="checkbox"/> Leaks |
| <input type="checkbox"/> | <input type="checkbox"/> Luminance |
| <input type="checkbox"/> | <input type="checkbox"/> Magnetic |
| <input type="checkbox"/> | <input type="checkbox"/> Mechanical (doors, trunk, hood opening etc.) |
| <input type="checkbox"/> | <input type="checkbox"/> Radar |
| <input type="checkbox"/> | <input type="checkbox"/> Radiation |
| <input type="checkbox"/> | <input type="checkbox"/> Resonance |
| <input type="checkbox"/> | <input type="checkbox"/> Smell |
| <input type="checkbox"/> | <input type="checkbox"/> Sonar |
| <input type="checkbox"/> | <input type="checkbox"/> Surface smoothness |
| <input type="checkbox"/> | <input type="checkbox"/> Surface thickness (body, interior, tires, etc.) |
| <input type="checkbox"/> | <input type="checkbox"/> Surface type |
| <input type="checkbox"/> | <input type="checkbox"/> Tension/reflectiveness (body, roof, etc.) |
| <input type="checkbox"/> | <input type="checkbox"/> Thermal |
| <input type="checkbox"/> | <input type="checkbox"/> Transparency (windows, windshields) |
| <input type="checkbox"/> | <input type="checkbox"/> Vibration |
| <input type="checkbox"/> | <input type="checkbox"/> Weight |

Fig. 5